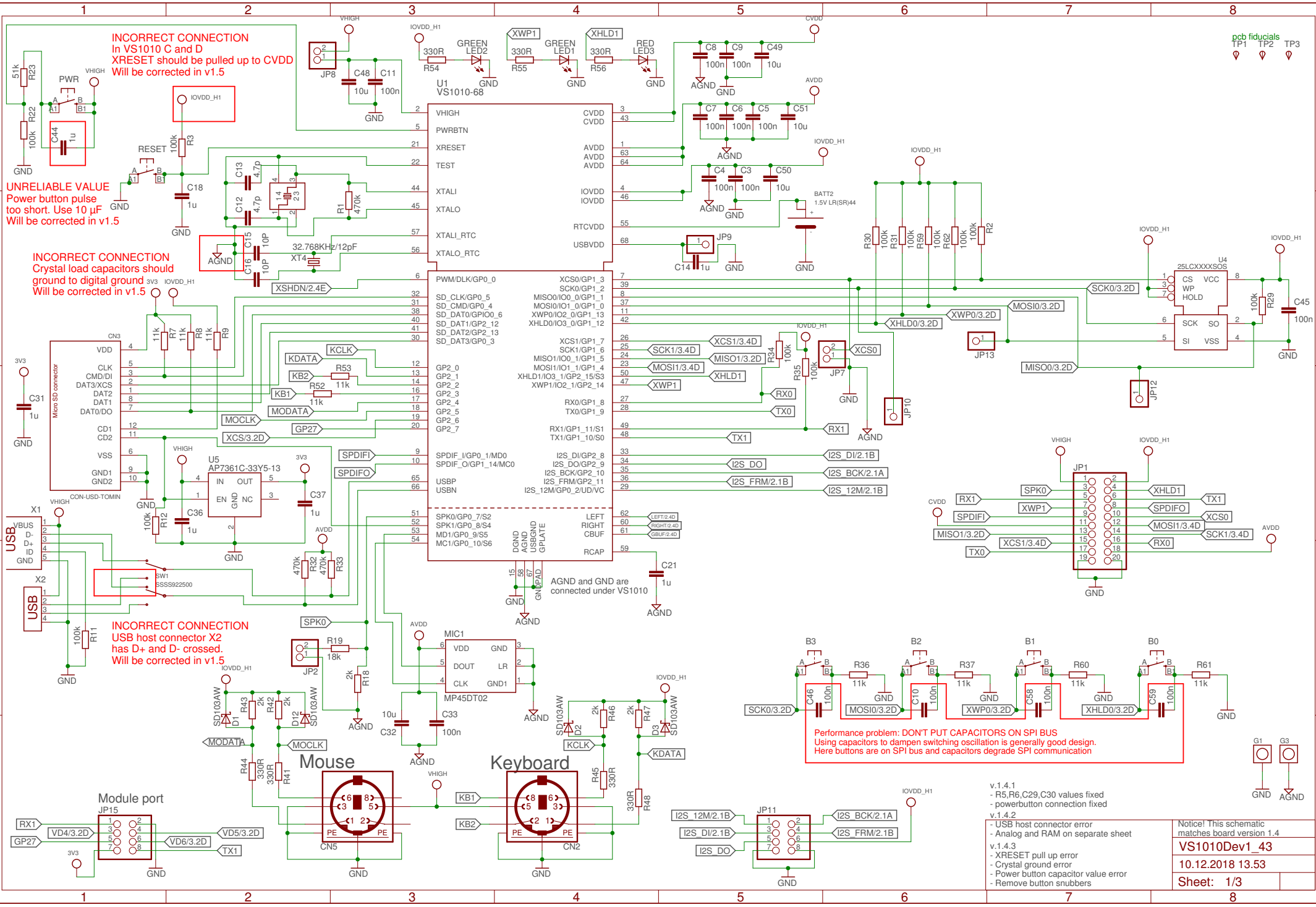
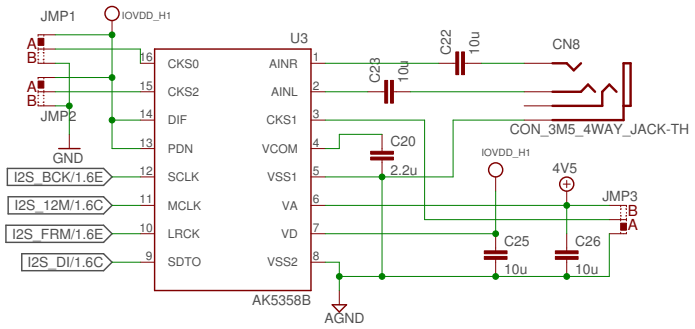
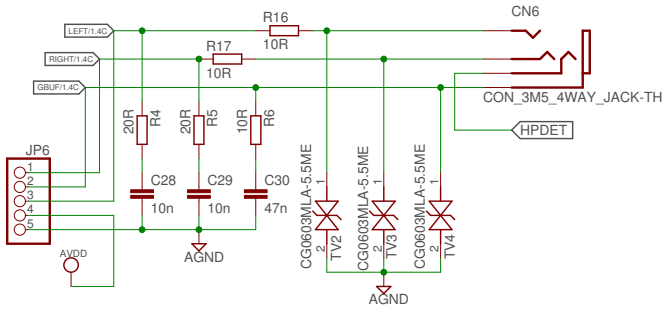

INCORRECT CONNECTION
In VS1010 C and D
XRESET should be pulled up to CVDD
Will be corrected in v1.5
UNRELIABLE VALUE
Power button pulse
too short. Use 10 µF
Will be corrected in v1.5
INCORRECT CONNECTION
Crystal load capacitors should
ground to digital ground
Will be corrected in v1.5
INCORRECT CONNECTION
USB host connector X2
has D+ and D- crossed.
Will be corrected in v1.5
U1
VS1010-68
AGND and GND are
connected under VS1010
Mouse
Keyboard
Module port
Performance problem: DON'T PUT CAPACITORS ON SPI BUS
Using capacitors to dampen switching oscillation is generally good design.
Here buttons are on SPI bus and capacitors degrade SPI communication
pcb fiducials
TP1 TP2 TP3
v.1.4.1
- R5,R6,C29,C30 values fixed
- powerbutton connection fixed
v.1.4.2
- USB host connector error
- Analog and RAM on separate sheet
v.1.4.3
- XRESET pull up error
- Crystal ground error
- Power button capacitor value error
- Remove button snubbers
Notice! This schematic
matches board version 1.4
VS1010Dev1_43
10.12.2018 13.53
Sheet: 1/3

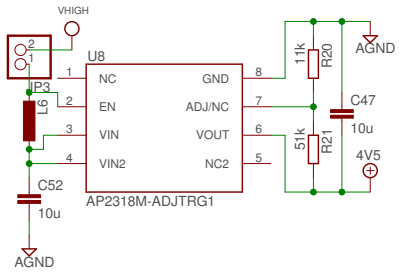
Line in ADC



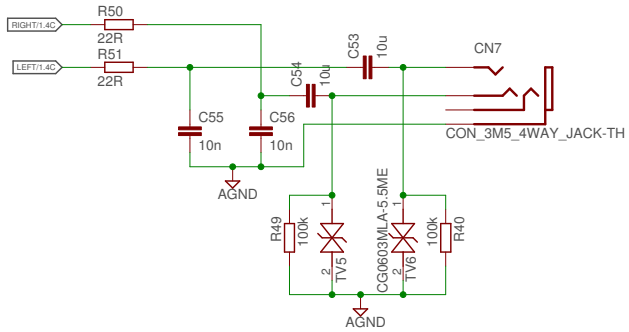
Headphone out



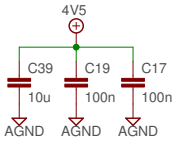
Power supply for amplifier

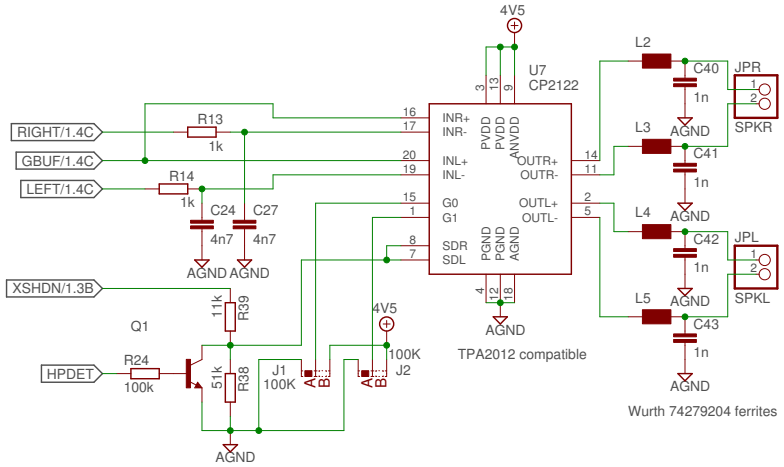


Line out



Class D amplifier





	Analog
	VS1010Dev1_43
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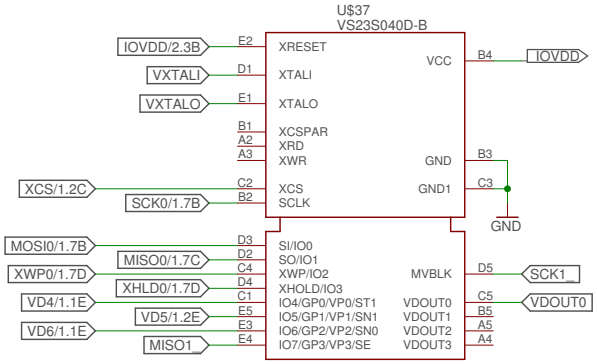
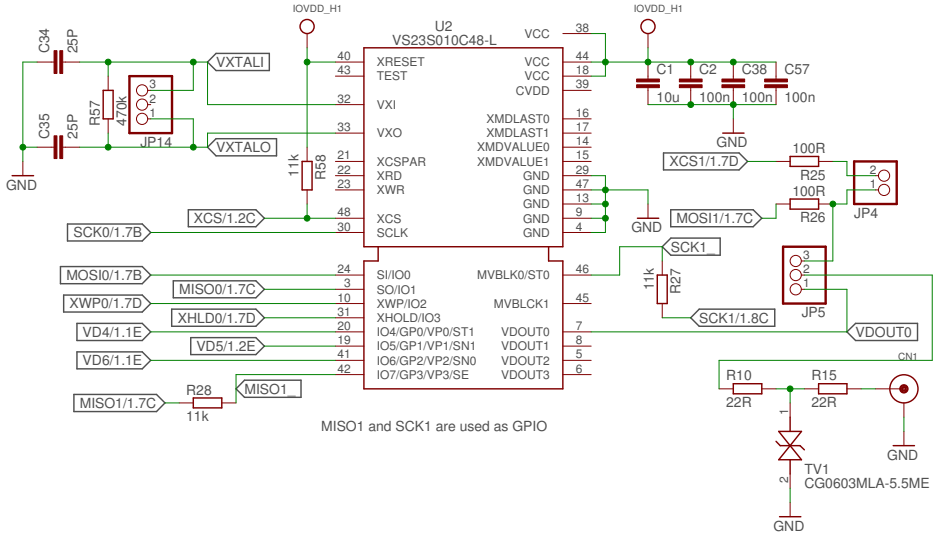
	Sheet: 2/3

VS23S040 is not populated on
VS1010 developer board 1.4.
Footprint is on the bottom side.



VS23S010 is populated on
VS1010 developer board 1.4.
The chip is on the top side.



MISO1 and SCK1 are used as GPIO

Only one of
VS23S010 or VS23S040
may be populated.

	External SRAM
	VS1010Dev1_43
	10.12.2018 13.53
	Sheet: 3/3